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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Wells et al.
Appl. No. : 09/981,547
Filed : October 17, 2001
For : METHODS FOR RAPIDLY
IDENTIFYING SMALL
ORGANIC MOLECULE
LIGANDS FOR BINDING TO
BIOLOGICAL TARGET
MOLECULES
Examiner : Unknown

) Group Art 1627

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I hereby certify that this correspondence and all
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(Date)

Ginger R. Dreger, Reg. No. 33,055

SECOND PRELIMINARY AMENDMENT

Commissioner for Patents
United States Patent and Trademark Office
PO Box 2327
Arlington, VA 22202

Dear Sir:

Please amend this application in the following aspects.

In the Claims:

Please add the following new claims:

-- 58. (New) A method of identifying a ligand less than 2000 daltons in size, that binds covalently to a chemically reactive group at a site of interest on a target protein to form a target protein-ligand conjugate, comprising detecting the formation of said target protein-ligand conjugate by mass spectrometry analysis.

59. (New) The method of claim 58 wherein the ligand is less than 1500 daltons in size.

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